

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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$$E = R^{-6}/(R^{-6} + R_0^{-6})$$

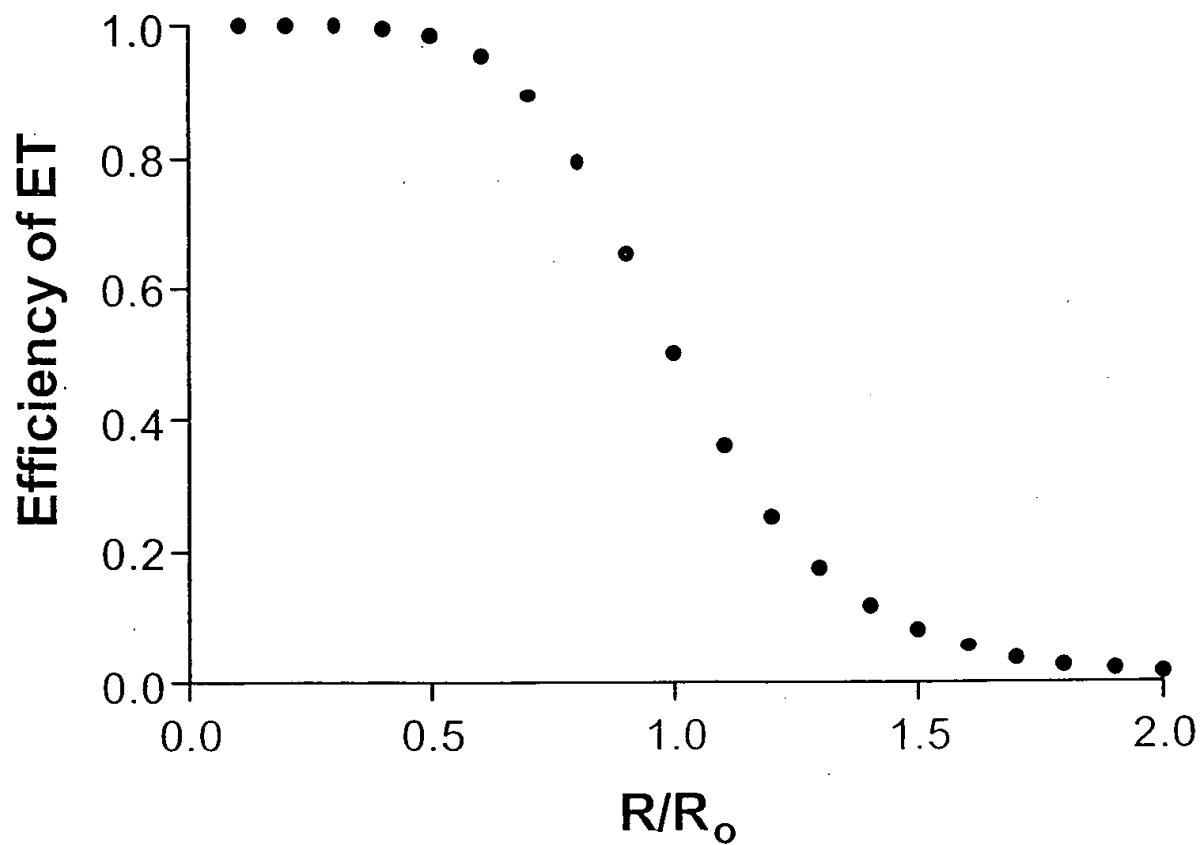


FIG. 1

APPROVED	O.G. FIG.	
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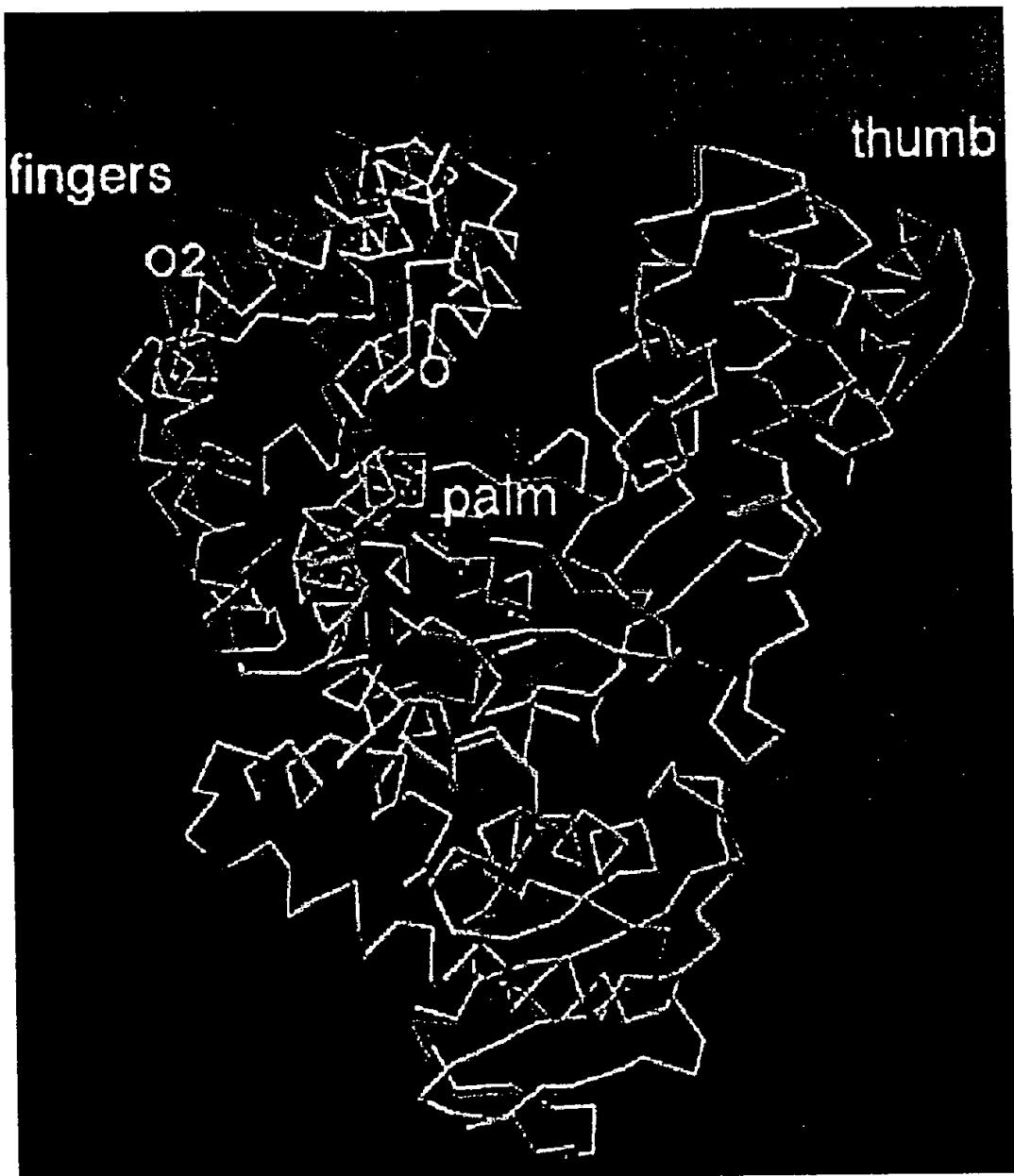


FIG. 2

APPROVED	O.G. FIG.	
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FIG. 3A

APPROVED	O.G. FIG.	
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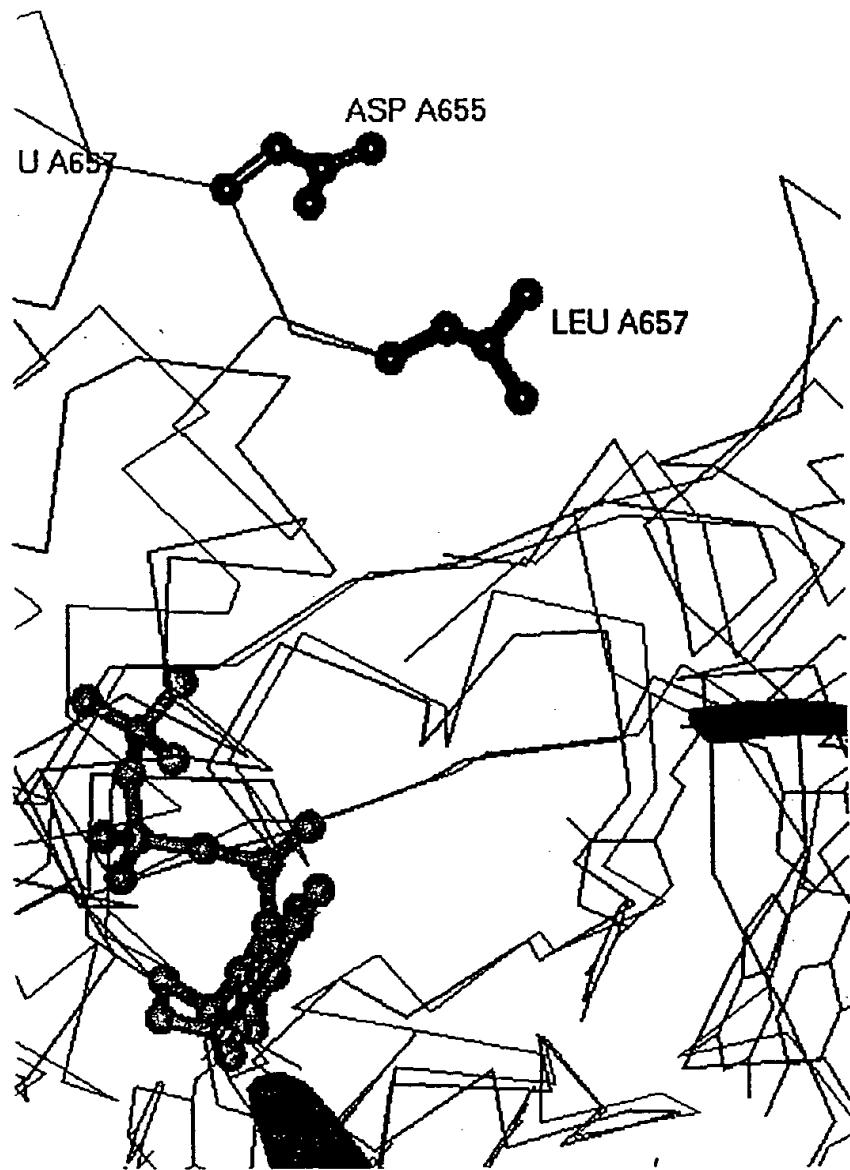


FIG. 3B

APPROVED	O.G. FIG.	
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FIG. 3C

APPROVED	O.G. FIG.	
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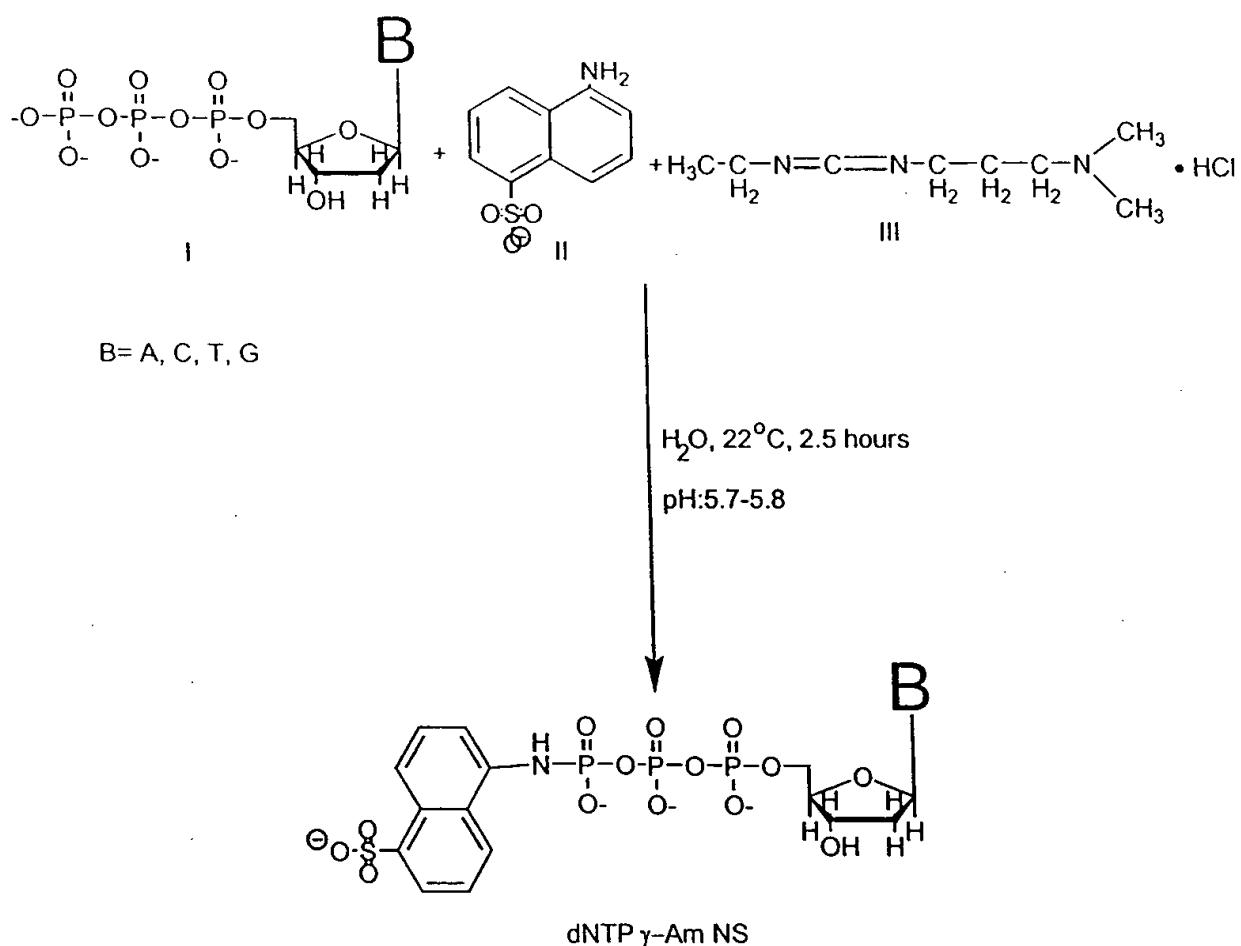


FIG. 4

APPROVED	O.G. FIG.	
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Primer Strand:

TOP 5' GGT ACT AAG CGG CCG CAT G 3'

Template Strands:

BOT-T 3' CCA TGA TTC GCC GGC GTA CTC 5'

BOT-C 3' CCA TGA TTC GCC GGC GTA CCC 5'

BOT-G 3' CCA TGA TTC GCC GGC GTA CGC 5'

BOT-A 3' CCA TGA TTC GCC GGC GTA CAC 5'

BOT-3T 3' CCA TGA TTC GCC GGC GTA CTT TC 5'

BOT-Sau 3' CCA TGA TTC GCC GGC GTA CCT AG 5'

Incorporate: GATC AG AAAG

(5' to 3')

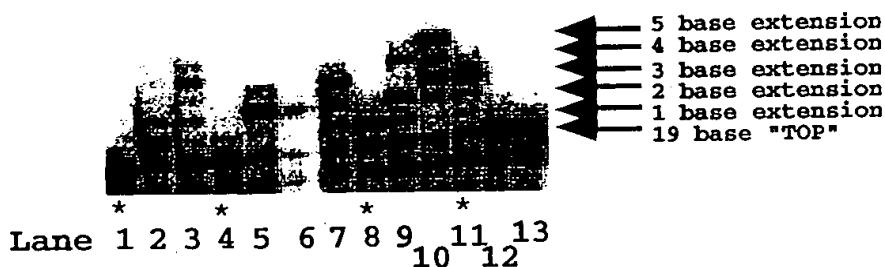


FIG. 5

APPROVED	O.G. FIG.	
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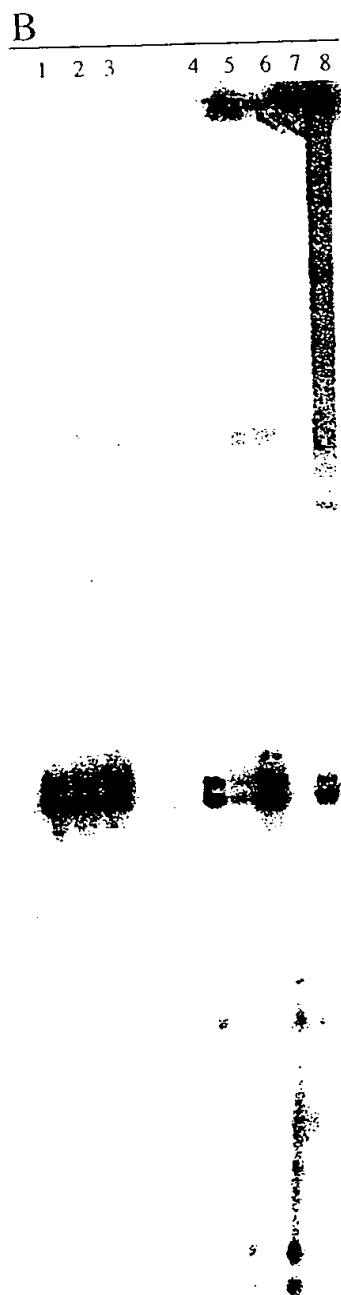
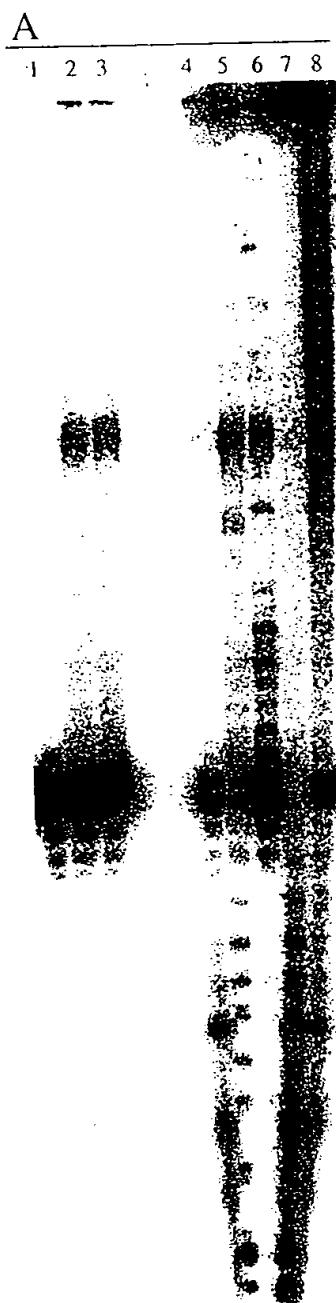


FIG. 6

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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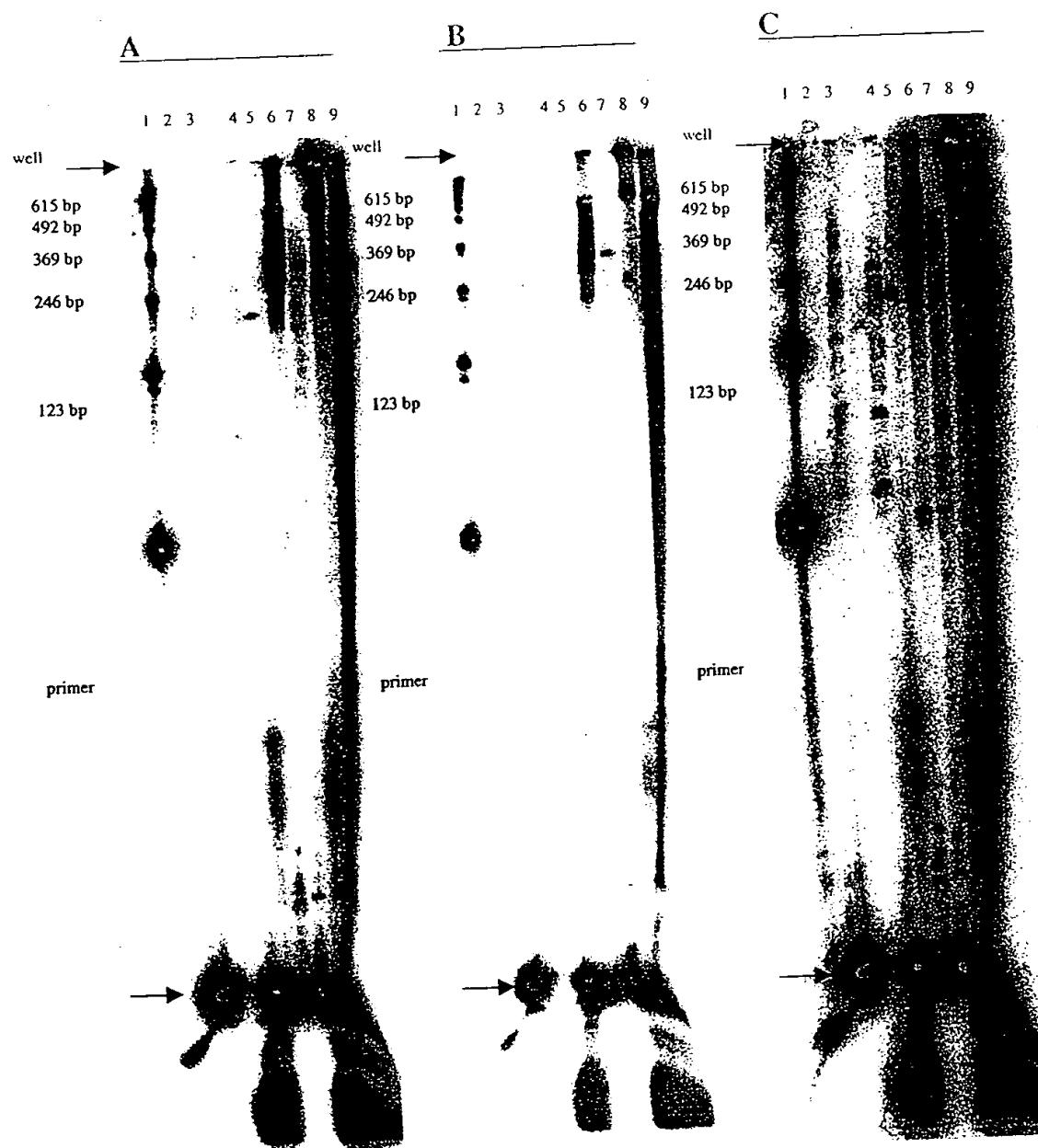


FIG. 7

APPROVED	O.G. FIG.	
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	Klenow										Taq	
Enzyme	-	+	+	+	+	+	+	+	+	+	+	+
Primer (TOP)	+	+	+	+	+	+	+	+	+	+	+	+
Template	-	<u>BOT - 3T</u>	<u>BOT - T</u>	<u>BOT - Sau</u>	<u>BOT - 3T</u>							
Nucleotide	-	dG	dA	γ A	dG	dA	γ A	dG	dA	γ A	dA	γ A

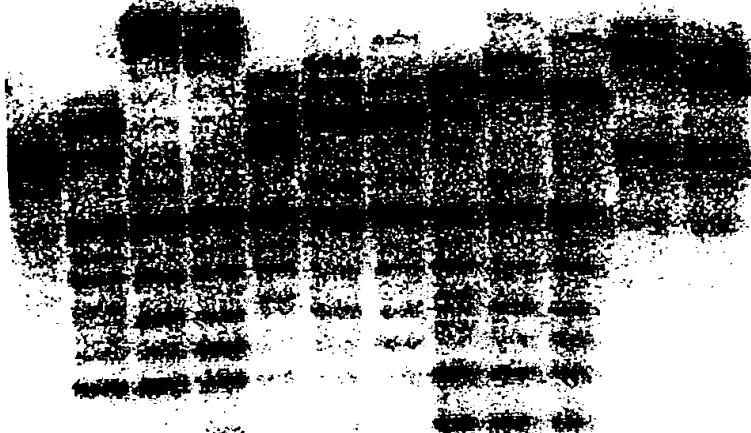


FIG. 8

APPROVED	O.G. FIG.	
BY	CLASS	SUBCLASS
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Pfu Primer Extension Assays

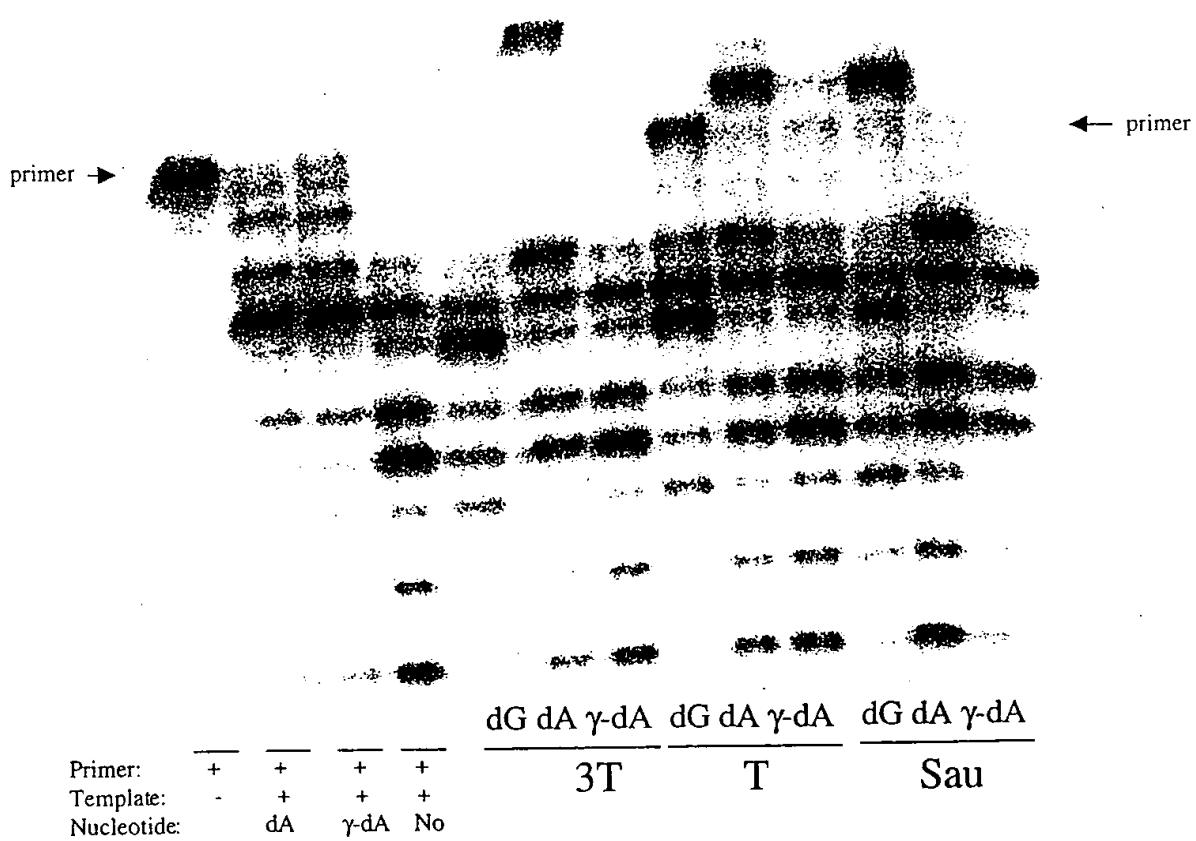


FIG. 9

APPROVED	O.G. FIG.	
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- Primer Strand:

- **Template Strands:**

3T	3'	CCA	TGA	TTC	GCC	GGC	GTA	CTT	TC	5'
Sau	3'	CCA	TGA	TTC	GCC	GGC	GTA	CCT	AG	5'

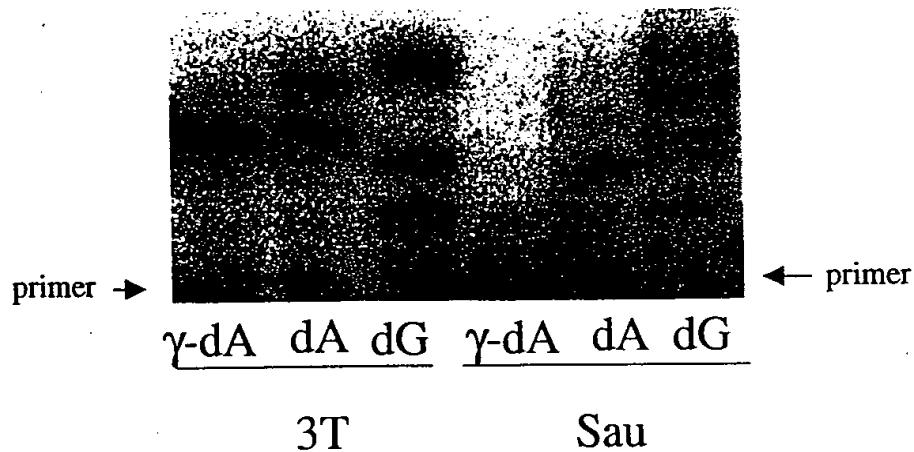


FIG. 10

APPROVED	O.G. FIG.	
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Primer Strand:

Top 5' GGT ACT AAG CGG CCG CAT G 3'

Template Strands:

BOT-3T 3' CCA TGA TTC GCC GGC GTA CTT TC 5'
BOT-Sau 3' CCA TGA TTC GCC GGC GTA CCT AG 5'

Enzyme:	None	T7	T7	Seq	Seq	T7					Sequenase					Taq		
Primer:	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+	+		
Template:	-	+	-	+	BOT-3T			Sau		BOT-3T			Sau		BOT-3T			
Nucleotide:	-	dA	γ dA	dA	γ dA	dG	dA	(spill)	γ dA	dG	dA	γ dAdG	dA	γ dAdG	dA	γ dA	dA	γ dA

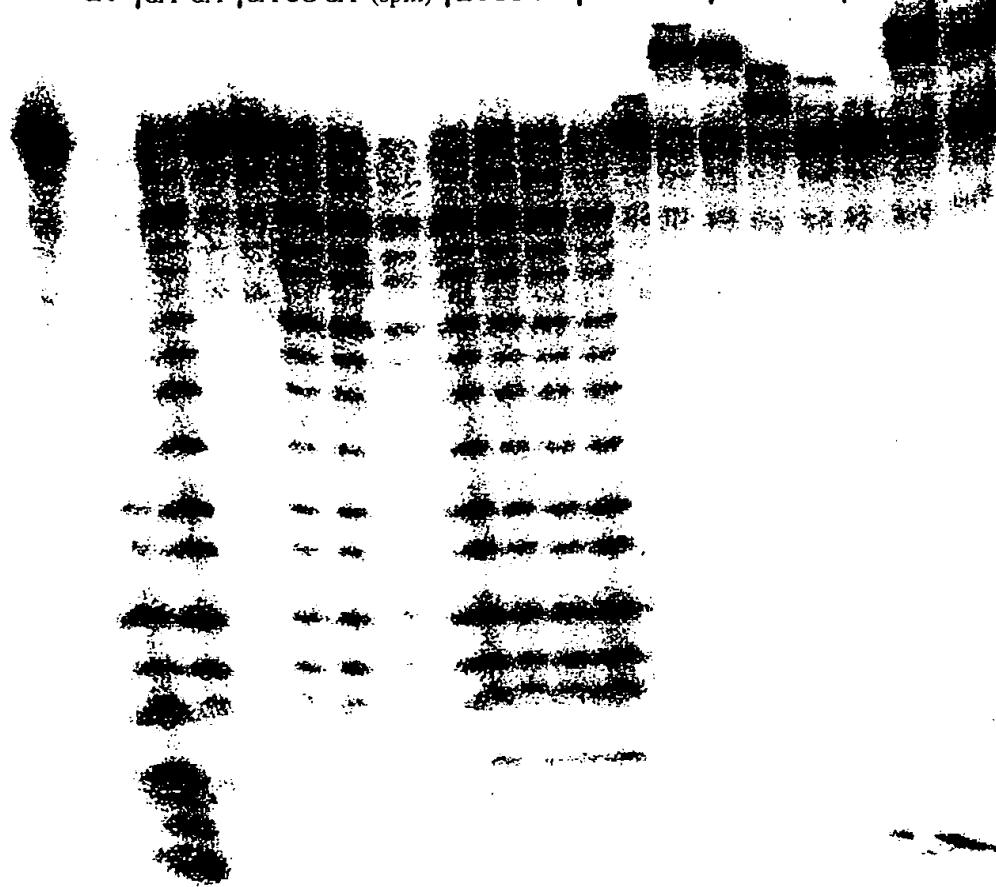
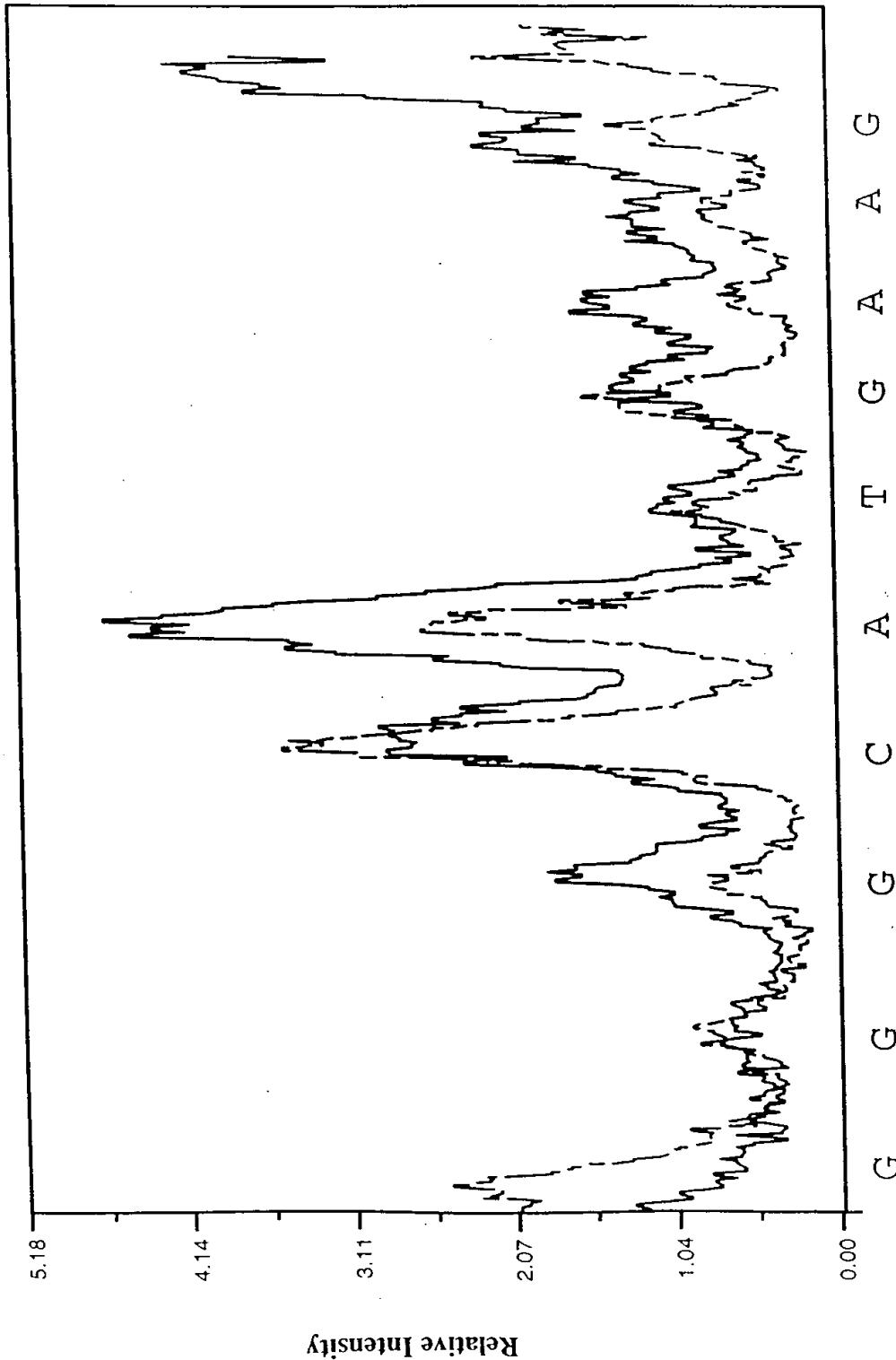


FIG. 11

APPROVED	O.G. FIG.	
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Signal Intensity and Reaction Kinetics Provide Information Concerning Base Identity.

FIG. 12